



Boerke, Elizabeth <elly_boerke@nps.gov>

Ephemeral stream at the Newhalem Penstock1 message

Luchessa, Scott <Scott.Luchessa@seattle.gov>
To: "Boerke, Elizabeth" <elly_boerke@nps.gov>
Cc: "Williams, Lisa" <Lisa.Williams@seattle.gov>

Wed, Oct 19, 2016 at 1:57 PM

Elly,

I don't know if Lisa informed you and am unable to confirm whether or not shed has done so. Last week before the storm, we installed a temporary bypass anticipating that the ephemeral stream would start flowing. This is designed to capture run on into our work area so that contaminants remain in place and are not transported by erosion and sedimentation processes to the intermittent stream, the tailrace, or the Skagit River. I conducted a site inspection yesterday to confirm that we are installing all reasonable and appropriate BMPs to control erosion. Happily, the installation was successful in routing clean water in the installed temporary diversion pipe through the work zone to the discharge point. There was no flow in the temporary diversion pipe yesterday during my inspection. We are planning on implementing a similar temporary diversion structure up around saddle 31, which will route clean water coming off the rock face above out of the work zone before it has an opportunity to erode and transport contaminants potentially offsite. Attached are some photographs of the temporary diversion of clean water through the work area taken after it was installed and the ephemeral stream began flowing following precipitation received in the series of storms last week.

Here are Tim's comments regarding the photos:

- ..69 – the sandbag dam
- ..70 – the re-route "penstock" next to the gen 20 penstock
- ..71 – the penetration through the silt fence
- ..72 – note the straw wattle collar
- ..75 – general site work
- ..76 – overview of the re-route
- ..77 – clean discharge to quarry spalls
- ..78 – note the essentially clean water on the upstream side of the straw wattle/silt fence penetration
- ..81 – note no turbid water exiting the site at the straw wattle/silt fence penetration

Modifications will be made on an as-needed basis.

Cheers,

Scott

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<http://www.seattle.gov/light/enviro/>

9 attachments



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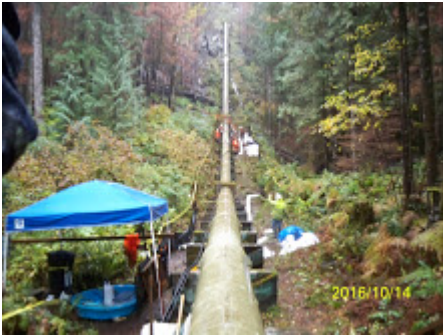


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